1	2	3	4	5	6	7	8	9
Tamil Nadu	8,810	8,403	-407	-4.6	9,107	8,677	-430	-4.7
Pondicherry	260	260	0	0.0	269	269	0	0.0
Lakshadweep #	6	6	0	0	6	6	0	0
Southern Region	**25,955**	**24,368**	**-1,587**	**-6.1**	**26,640**	**24,927**	**-1,713**	**-6.4**
Bihar	1,882	1,091	-791	-42.0	1,651	1,139	-512	-31.0
DVC	1,831	1,797	-34	-1.9	1,660	1,635	-25	-1.5
Jharkhand	805	787	-18	-2.2	798	711	-87	-10.9
Orissa	3,142	2,905	-237	-7.5	2,883	2,781	-102	-3.5
West Bengal	5,283	4,987	-296	-5.6	5,177	4,866	-311	-6.0
Sikkim	62	61	-1	-1.6	61	60	-1	-1.6
Andaman and Nicobar Islands#	40	32	-8	-20	40	38	-2	-5
Eastern Region	**12,031**	**10,600**	**-1,431**	**-11.9**	**11,112**	**10,750**	**-362**	**-3.3**
Arunachal Pradesh	101	67	-34	-33.7	102	71	-31	-30.4
Assam	827	753	-74	-8.9	826	690	-136	-16.5
Manipur	112	84	-28	-25.0	110	86	-24	-21.8
Meghalaya	455	213	-242	-53.2	456	194	-262	-57.5
Mizoram	97	55	-42	-43.3	97	53	-44	-45.4
Nagaland	91	88	-3	-3.3	86	84	-2	-2.3
Tripura	159	134	-25	-15.7	159	130	-29	-18.2
North-Eastern Region	**1,742**	**1,279**	**-463**	**-26.3**	**1,724**	**1,197**	**-527**	**-30.6**
(All India)	107,379	89,894	-17,485	-16.3	106,922	89,510	-17,412	-16.3

#Lakshadweep and Andaman and Nicobar Islands are stand - alone systems, power supply position of these, does not form part of regional requirement and availability

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power shortage

281. SHRI MAHENDRA MOHAN: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that India's power deficit at peak hours is over fourteen per cent, from an average energy shortfall of nine per cent during non-peak hours;

(b) if so, what is the installed power capacity of private sector and public sector in the country, State-wise;

(c) what is the total requirement of power and how much capacity has been added during the last three years; and

(d) how much shortfall exists in Uttar Pradesh and other States and how much capacity is likely to be added during the next three years?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI JAIRAM RAMESH): (a) The peak demand shortage and energy shortage in the country during the current year (April-September, 2008) in the country was 15.4% and 10.3% respectively.

(b) The total installed capacity in the country as on 30.09.2008 is around 1,45,555 MW. The details of installed power capacity of private sector and public sector in the country, State-wise is given in the Statement-I (*See* below)

(c) The maximum demand of power for current year (April-September, 2008) in the country was 1,09,962 MW. During the last three years generation capacity addition of around 5,951 MW (2005-06), 6,875 MW (2006-07) and 9,263 MW (2007-08) was achieved excluding the Renewable Energy Sources (RES) under the Ministry of New and Renewable Energy (MNRE).

(d) The peak shortage during the current year (period April-September, 2008) in Uttar Pradesh (UP) was 2,344 MW (22.2%) and the energy shortage was 5,522 MU (17.3%). The details of peak and energy shortages in all the states of the country are enclosed as Statement-II (*See* below).

The details of likely capacity addition during the next three years (excluding RES under MNRE) on all India basis and in the State of Uttar Pradesh are as given below.

Year	Capacity to be Added in the country (MW)	Capacity to be Added in Uttar Pradesh (MW)
2008-09	7,530	NIL
2009-10	15,451	1,240
2010-11	18,813	1,340

Statement-I

Installed Capacity (in MW) of Power Utilities in the States/UTs Located in Northern Region Including Allocated Shares in Joint and Central Sector Utilities

State	Sector	Total Installed Capacity
1	2	3
Delhi	State	920.4
	Private	0

1	2	3
Haryana	State	3153.36
	Private	6
Himachal	State	556.35
	Private	386
Jammu and Kashmir	State	775.77
	Private	0
Punjab	State	5073.72
	Private	37.57
Rajasthan	State	4006.89
	Private	555.85
Uttar Pradesh	State	4672.5
	Private	205.88
Uttaranchal	State	1353.37
	Private	400.05
Chandigarh	State	0
	Private	0
Region	Central	16039.99
	Total	38143.7

Installed Capacity (in MW) of Power Utilities in the States/UTs Located in Western Region Including Allocated Shares in Joint and Central Sector Utilities

Goa	State	0.05
	Private	78
Daman and Diu	State	0
	Private	0
Gujarat	State	5701.3
	Private	3282.1
Madhya Pradesh	State	4582.93
	Private	188.45
Chhattisgarh	State	2058.05
	Private	1146.3

1	2	3
Maharashtra	State	10563.56
	Private	4125.5
Dadra and Nagar Haveli	State	0
	Private	0
Region	Central	12842
	Total	44568.24

Installed Capacity (in MW) of Power Utilities in the States/UTs Located in Southern Region Including Allocated Shares in Joint and Central Sector Utilities

Andhra Pradesh	State	7376.36
	Private	2117.42
Karnataka	State	5821.82
	Private	1849.94
Kerala	State	2115.21
	Private	195.86
Tamil Nadu	State	5664.95
	Private	5180.96
NLC	State	0
	Private	0
Pondicherry	State	32.5
	Private	0.02
Region	Central	9340
	Total	39695.04

Installed Capacity (in MW) of Power Utilities in the States/UTs Located in Eastern Region Including Allocated Shares in Joint and Central Sector Utilities

Bihar	State	590.4
	Private	0
Jharkhand	State	1394.05
	Private	360
West Bengal	State	5808.56
	Private	1081.57

1	2	3
DVC	State	0
	Private	0
Orissa	State	2520.23
	Private	3.2
Sikkim	State	44.11
	Private	0
Total Eastern	State	10357.35
	Private	1444.77
	Central	9014.00
	Total	32618.24
Installed Capacity (in MW) of Power Utilities in the States/UTs Located in Eastern Region Including Allocated Shares in Joint and Central Sector Utilities		
Assam	State	446.8
	Private	24.5
Arunachal Pradesh	State	61.12
	Private	0.02
Meghalaya	State	189.08
	Private	0
Tripura	State	148.36
	Private	0
Manipur	State	50.86
	Private	0
Nagaland	State	30.67
	Private	0
Mizoram	State	69.33
	Private	0
Region	Central	1235
	Total	2255.74
Installed Capacity (in MW) of Power Utilities in the Islands		
Andaman and Nicobar	State	45.3
	Private	20.1

1	2	3
Lakshadweep	State	9.97
	Private	0.76
Total Islands	State	55.27
	Private	20.86
	Total	152.26

All India Installed Capacity (in MW) of Power States Located in the Region of Main Land and Islands

Northern	State	20512.36
	Private	1591.35
Western	State	22905.89
	Private	8820.35
Southern	State	21010.84
	Private	9344.2
Eastern	State	10357.35
	Private	1444.77
North Eastern	State	996.22
	Private	24.52
Islands	State	55.27
	Private	20.86
All India	State	75837.93
	Private	21246.05
	Central	48470.99
	Total	145554.97

Renewable Energy Sources (RES) includes SHP, BG, BP, U and I, Solar and wind Energy

Abbreviation:- SHP=Small Hydro Project, BG=Biomass Gasifier, BP=Biomass Power, U and I=Urban and Industrial Waste Power, RES=Renewable Energy Sources

Note:- (i) The SHP capacity of 1168 MW which was covered under the conventional Hydro capacity has been transferred to RES. 60.51 MW of captive capacity has been deducted from total SHP capacity under RES. Similarly wind capacity of 177.67 MW covered under captive (06-07) capacity has also been deducted from wind power capacity under RES.

(ii) The Shares of Sipat TPS (NTPC) are proposed shares, still to be approved.

(iii) (**) Based on data as on 31.03.2008 as furnished by MNRE through their Secretary's letter dt. 06.05.2008.

(iv) The proportionate distribution of shares in respect of Bhilai TPP (J V of Bhilai Steel and NTPC) has been done as per tentative allocation communicated by IRP Div. viz 110 MW for Utilities out of 250 MW of Unit I synchronized on 20.04.08 and the remaining 140 MW automatically gets allocated to SAIL- Chhattisgarh (State Sector)

(v) Though Sipat T P S St.II Unit # 5 of 500 MW and Valuthur CCGT (ST) of 32.4 MW capacity have been synchronized during Aug 2008 but the same have not been added to the Installed Capacity in view of definition of commissioning of Thermal Projects indicated in Office Memorandum No.3/2/2007-P and Pdt. 12 Aug. 2008 of Ministry of Power and MOM of CEA's weekly review meeting dt. 18.08.2008.

(vi) Unit Nos 3,4 and 5 of 50 MW each of Obra TPS and Unit Nos 1 and 2 of 30 MW each of Amarkantak TPS retired w.e.f. 16.09.2008.

(vii) The three steam turbines (WHR) of I.P.CCGT have been derated from 34 MW each to 30 MW each w.e.f. 16.09.2008.

(viii) Figures at second place of decimal may no tally due to rounding off by computer

Statement - II

Details of Peak Demand and Peak Met (Provisional)

Figures in MW net

State/System/ Region	September, 2008				April to September, 2008			
	Peak Demand (MW)	Peak Met (MW)	Surplus/ Deficit(-) (MW)	(%)	Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit(-) (MW)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	224	224	0	0.0	279	279	0	0.0
Delhi	3,945	3,945	0	0.0	4,036	4,034	-2	0.0
Haryana	5,355	4,466	-889	-16.6	5,511	4,791	-720	-13.1
Himachal Pradesh	889	869	-20	-2.2	890	869	-21	-2.4
Jammu and Kashmir	1,338	1,238	-100	-7.5	1,950	1,244	-706	-36.2
Punjab	8,737	7,270	-1,467	-16.8	8,737	7,309	-1,428	-16.3

1	2	3	4	5	6	7	8	9
Rajasthan	5,772	5,163	-609	-10.6	5,772	5,163	-609	-10.6
Uttar Pradesh	10,564	8,180	-2,384	-22.6	10,564	8,220	-2,344	-22.2
Uttarakhand	1,232	1,232	0	0.0	1,251	1,251	0	0.0
Northern Region	**34,036**	**28,947**	**-5,089**	**-15.0**	**34,036**	**29,504**	**-4,532**	**-13.3**
Chandigarh	2,268	2,138	-130	-5.7	2,582	2,201	-381	-14.8
Gujarat	10,028	8,456	-1,572	-15.7	11,841	8,680	-3,161	-26.7
Madhya Pradesh	5,348	4,958	-390	-7.3	6,376	5,344	-1,032	-16.9
Maharashtra	17,274	11,992	-5,282	-30.6	17,642	13,249	-4,393	-24.9
Daman and Diu	214	189	-25	-11.7	225	200	-25	-11.1
Dadra and Nagar Haveli	466	434	-32	-6.9	466	434	-32	-6.9
Goa	432	377	-55	-12.7	464	413	-51	-11.0
Western Region	**34,520**	**27,198**	**-7,322**	**-21.2**	**37,171**	**27,634**	**-9,537**	**-25.7**
Andhra Pradesh	9,890	8,926	-964	-9.7	9,890	8,926	-964	-9.7
Karnataka	6,415	5,295	-1120	-17.5	6,415	5,595	-820	-12.8
Kerala	2,803	2,439	-364	-13.0	3,120	2,748	-372	-11.9
Tamil Nadu	10,072	8,894	-1178	-11.7	10,072	9,211	-861	-8.5
Puducherry	300	245	-55	-18.3	300	275	-25	-8.3
Lakshadweep#	5	5	0	0	6	6	0	0
Southern Region	**27,576**	**24,299**	**-3,277**	**-11.9**	**27,576**	**25,035**	**-2,541**	**-9.2**
Bihar	1,689	1,158	-531	-31.4	1,767	1,258	-509	-28.8
DVC	1,905	1,905	0	0.0	1,905	1,905	0	0.0
Jharkhand	763	708	-55	-7.2	812	769	-43	-5.3
Orissa	3,137	3,019	-118	-3.8	3,137	3,019	-118	-3.8
West Bengal	4,976	4,769	-207	-4.2	5,177	4,918	-259	-5.0
Sikkim	60	60	0	0.0	61	60	-1	-1.6
Andaman and Nicobar# Islands	40	32	-8	-20	40	38	-2	-5
Eastern Region	**12,165**	**11,280**	**-885**	**-7.3**	**12,210**	**11,435**	**-775**	**-6.3**
Arunachal Pradesh	92	58	-34	-37.0	114	79	-35	-30.7
Assam	830	770	-60	-7.2	879	787	-92	-10.5
Manipur	105	90	-15	-14.3	116	95	-21	-18.1
Meghalaya	413	270	-143	-34.6	457	293	-164	-35.9

1	2	3	4	5	6	7	8	9
Mizoram	100	51	-49	-49.0	100	53	-47	-47.0
Nagaland	95	86	-9	-9.5	95	86	-9	-9.5
Tripura	155	148	-7	-4.5	159	148	-11	-6.9
North-Eastern Region	1,665	1,322	-343	-20.6	1,744	1,343	-401	-23.0
(All India)	109,962	93,046	-16,916	-15.4	109,962	93,046	-16,916	-15.4

#Lakshadweep and Andaman and Nicobar Islands are stand - alone systems, power supply position of these, does not form part of regional requirement and availability.

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Power Supply Position (Provisional)

Figures in MU net

State/System/ Region	September, 2008				April to September, 2008			
	Require-ment (MU)	Availa-bility (MU)	Surplus/ Deficit(-) (MU)	(%)	Require-ment (MU)	Availa-bility (MU)	Surplus/Deficit(-) (MU)	(%)
1	2	3	4	5	6	7	8	9
Chandigarh	115	115	0	0.0	803	803	0	0.0
Delhi	1,932	1,908	-24	-1.2	12,698	12,619	-79	-0.6
Haryana	2,332	2,126	-206	-8.8	14,873	13,486	-1,387	-9.3
Himachal Pradesh	505	524	-19	-3.8	3,102	3,116	14	-0.5
Jammu and Kashmir	723	623	-100	-13.8	4,959	3,898	-1,061	-21.4
Punjab	3,732	3,430	-302	-8.1	23,293	21,274	-2,019	-8.7
Rajasthan	2,682	2,608	-74	-2.8	16,751	16,449	-302	-1.8
Uttar Pradesh	4,326	4,103	-223	-5.2	31,946	26,424	-5,522	-17.3
Uttarakhand	575	571	-4	-0.7	3,831	3,808	-23	-0.6
Northern Region	**16,922**	**16,008**	**-914**	**-5.4**	**112,256**	**101,877**	**-10,379**	**-9.2**
Chhattisgarh	1,267	1,229	-38	-3.0	7,751	7,524	-227	-2.9
Gujarat	5,277	4,797	-480	-9.1	33,544	29,243	-4,301	-12.8
Madhya Pradesh	2,833	2,480	-353	-12.5	17,397	14,892	-2,505	-14.4
Maharashtra	8,727	7,146	-1581	-18.1	58,537	46,840	-11,697	-20.0
Daman and Diu.	132	114	-18	-13.6	898	788	-110	-12.2
D. and N. Haveli	292	279	-13	-4.5	1,804	1,749	-55	-3.0
Goa	222	216	-6	-2.7	1,391	1,369	-22	-1.6
Western Region	**18,750**	**16,261**	**-2,489**	**-13.3**	**121,322**	**102,405**	**-18,917**	**-15.6**
Andhra Pradesh	5,926	5,628	-298	-5.0	34,670	32,139	-2,531	-7.3

1	2	3	4	5	6	7	8	9
Karnataka	3,265	3,015	-250	-7.7	20,657	19,539	-1,118	-5.4
Kerala	1,408	1,162	-246	-17.5	8,602	7,674	-928	-10.8
Tamil Nadu	5,970	5,339	-631	-10.6	36,782	34,301	-2,481	-6.7
Pondicherry	176	142	-34	-19.3	1,042	927	-115	-11.0
Lakshadweep#	2	2	0	0	12	12	0	0
Southern Region	**16,745**	**15,286**	**-1,459**	**-8.7**	**101,753**	**94,580**	**-7,173**	**-7.0**
Bihar	981	692	-289	-29.5	5,452	4,432	-1,020	-18.7
DVC	1,168	1,145	-23	-2.0	6,943	6,771	-172	-2.5
Jharkhand	428	406	-22	-5.1	2,578	2,398	-180	-7.0
Orissa	1,689	1,656	-33	-2.0	10,172	10,001	-171	-1.7
West Bengal	2,711	2,635	-76	-2.8	16,369	15,742	-627	-3.8
Sikkim	32	31	-1	-3.1	150	145	-5	-3.3
Andaman and Nicobar#	20	15	-5	-25	116	94	-22	-19.0
Eastern Region	**7,009**	**6,565**	**-444**	**-6.3**	**41,664**	**39,489**	**-2,175**	**-5.2**
Arunachal Pradesh	33	21	-12	-36.4	241	140	-101	-41.9
Assam	464	412	-52	-11.2	2,705	2,372	-333	-12.3
Manipur	59	50	-9	-15.3	277	252	-25	-9.0
Meghalaya	186	136	-50	-26.9	951	731	-220	-23.1
Mizoram	26	20	-6	-23.1	161	130	-31	-19.3
Nagaland	28	28	0	0.0	194	190	-4	-2.1
Tripura	69	69	0	0.0	411	383	-28	-6.8
North-Eastern Region	865	736	-129	-14.9	4,940	4,198	-742	-15.0
(All India)	60,291	54,856	-5,435	-9.0	381,935	342,549	-39,386	-10.3

#Lakshadweep and Andaman and Nicobar Islands are stand - alone systems, power supply position of these, does not form part of regional requirement and availability

Note: Both peak met and energy availability represent the net consumption (including the transmission losses) in the various States. Net export has been accounted for in the consumption of importing States.

Delay in power projects in Arunachal Pradesh

282. SHRI PRAKASH JAVADEKAR: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that hydro power projects allotted to private players in Arunachal Pradesh are lagging be their schedule;

(b) if so, the details thereof and the reasons therefor; and